

07/08/03  
17648 U.S. PTO

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 24961-4-4

First Inventor Moser

Title METHOD OF PREPARING METAL ...

Express Mail Label No. EV 218398858US

U.S. PTO  
15209  
07/08/03

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17).  
*(Submit an original and a duplicate for fee processing)*
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages 30]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (*if filed*)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [ Total Sheets 2 ]
- Oath or Declaration [ Total Pages ]
- a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*
11.  English Translation Document (*if applicable*)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Cert. of Exp. Mail
17.  Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No. 10 / 047,452

Prior application information:

Examiner Langel, Wayne A.

Group Art Unit: 1754

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	21130 <i>(Insert Customer No. or Attach bar code label here)</i>	or	<input type="checkbox"/> Correspondence address below
Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	
Name (Print/Type)	Gregory S. Koloeuris		Registration No. (Attorney/Agent) 47,714
Signature			Date 07/08/03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 402.00)

## Compl t if Known

Application Number	Filed Herewith
Filing Date	
First Named Inventor	Moser
Examiner Name	
Group Art Unit	
Attorney Docket No.	24961-4-4

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	02-2051
Deposit Account Name	Benesch, Friedlander ,Copl...

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:  
 Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee		375.00	
106 330	206 165	Design filing fee			
107 510	207 255	Plant filing fee			
108 740	208 370	Reissue filing fee			
114 160	214 80	Provisional filing fee			
SUBTOTAL (1) (\$ 375.00)					

## 2. EXTRA CLAIM FEES

Total Claims	23	-20** =	3	X	9.00	=	27.00	Fee from below	Fee Paid
Independent Claims	3	- 3** =	0	X	0.00	=	0.00		
Multiple Dependent									

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20		
102 84	202 42	Independent claims in excess of 3		
104 280	204 140	Multiple dependent claim, if not paid		
109 84	209 42	** Reissue independent claims over original patent		
110 18	210 9	** Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2) (\$ 27.00)				

\*\*or number previously paid, if greater; For Reissues, see above

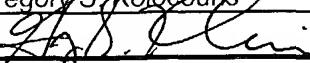
## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath			
127 50	227 25	Surcharge - late provisional filing fee or cover sheet			
139 130	139 130	Non-English specification			
147 2,520	147 2,520	For filing a request for ex parte reexamination			
112 920*	112 920*	Requesting publication of SIR prior to Examiner action			
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action			
115 110	215 55	Extension for reply within first month			
116 400	216 200	Extension for reply within second month			
117 920	217 460	Extension for reply within third month			
118 1,440	218 720	Extension for reply within fourth month			
128 1,960	228 980	Extension for reply within fifth month			
119 320	219 160	Notice of Appeal			
120 320	220 160	Filing a brief in support of an appeal			
121 280	221 140	Request for oral hearing			
138 1,510	138 1,510	Petition to institute a public use proceeding			
140 110	240 55	Petition to revive - unavoidable			
141 1,280	241 640	Petition to revive - unintentional			
142 1,280	242 640	Utility issue fee (or reissue)			
143 460	243 230	Design issue fee			
144 620	244 310	Plant issue fee			
122 130	122 130	Petitions to the Commissioner			
123 50	123 50	Processing fee under 37 CFR 1.17(q)			
126 180	126 180	Submission of Information Disclosure Stmt			
581 40	581 40	Recording each patent assignment per property (times number of properties)			
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))			
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))			
179 740	279 370	Request for Continued Examination (RCE)			
169 900	169 900	Request for expedited examination of a design application			
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$)

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

## SUBMITTED BY

Name (Print/Type)	Gregory S. Koloouris	Registration No. (Attorney/Agent)	47,714	Telephone	(216) 363-4453
Signature		Date	07/08/2003		

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF : MOSER et al.  
TITLE : METHOD OF PREPARING METAL  
CONTAINING COMPOUNDS USING  
HYDRODYNAMIC CAVITATION  
SERIAL NO. : Filed Herewith  
FILING DATE: Filed Herewith  
ATTORNEY DOCKET NO. : 24961-4-4

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**CERTIFICATE OF EXPRESS MAIL UNDER 37 C.F.R. 1.10**

I hereby certify that these papers are being deposited with the United States Postal Service on July 8, 2003, in an envelope as "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10, and addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EV 218398858 US

Express Mail Label Number

Kara L. Krist

*(type or print name of person mailing  
paper)*

Kara L. Krist

Signature of person mailing paper

Items enclosed herewith:

1. Utility Patent Application Transmittal (1 page);
2. Fee Transmittal (1 page, in duplicate);
3. Credit Card Authorization Form (1 page, in duplicate);
4. Application for Letters Patent (30 pages);
5. 2 Sheets of Drawings (2 Figures);
6. Preliminary Amendment (4 pages);
7. Copy of Declaration from patent application U.S. Serial No. 09/426,254; and
8. Return receipt postcard.